

Record 1: JP6287363A**(ENG) POLYETHYLENE RESIN COMPOSITION****Assignee:** TONEN SEKIYUKAGAKU KK

[no drawing available]

Inventor(s): MIYAOKA SATOSHI ; ICHIYANAGI KENJI**Application No:** JP 10367793 A**Filing Date:** 19930407**Issue/Publication Date:** 19941011

Abstract: (ENG) <sec>PURPOSE: To obtain the title composition having low melt viscosity and improved in melt moldability, environmental stress cracking resistance, rigidity and mechanical strengths by mixing two specified high-density polyethylenes with each other. CONSTITUTION: A high-density polyethylene (A) having a density of 0.940-0.950g/cm³, a melt index (MI₁) of 0.01-0.08g/10min and an environmental stress cracking resistance of 1000hr or longer is mixed with a high-density polyethylene (B) having a density of 0.955-0.965g/cm³ and a melt index (MI₂) of 2-40g/10min in such amounts that the melt index (MI) defined by the formula: (MI)=$(MI_1 \times \phi_1 + MI_2 \times \phi_2)$/($\phi_1 + \phi_2$) (wherein φ₁ and φ₂ are the weight fractions of components A and B, respectively, and 0.04$\leq(MI)\leq 0.40$) may fall within the range: 0.20$\leq(MI)\leq 0.40$.

Priority Data: JP 10367793 19930407 A X;**IPC (International Class):** C08L02304**Legal Status:** There is no Legal Status information available for this patent